FIG.1

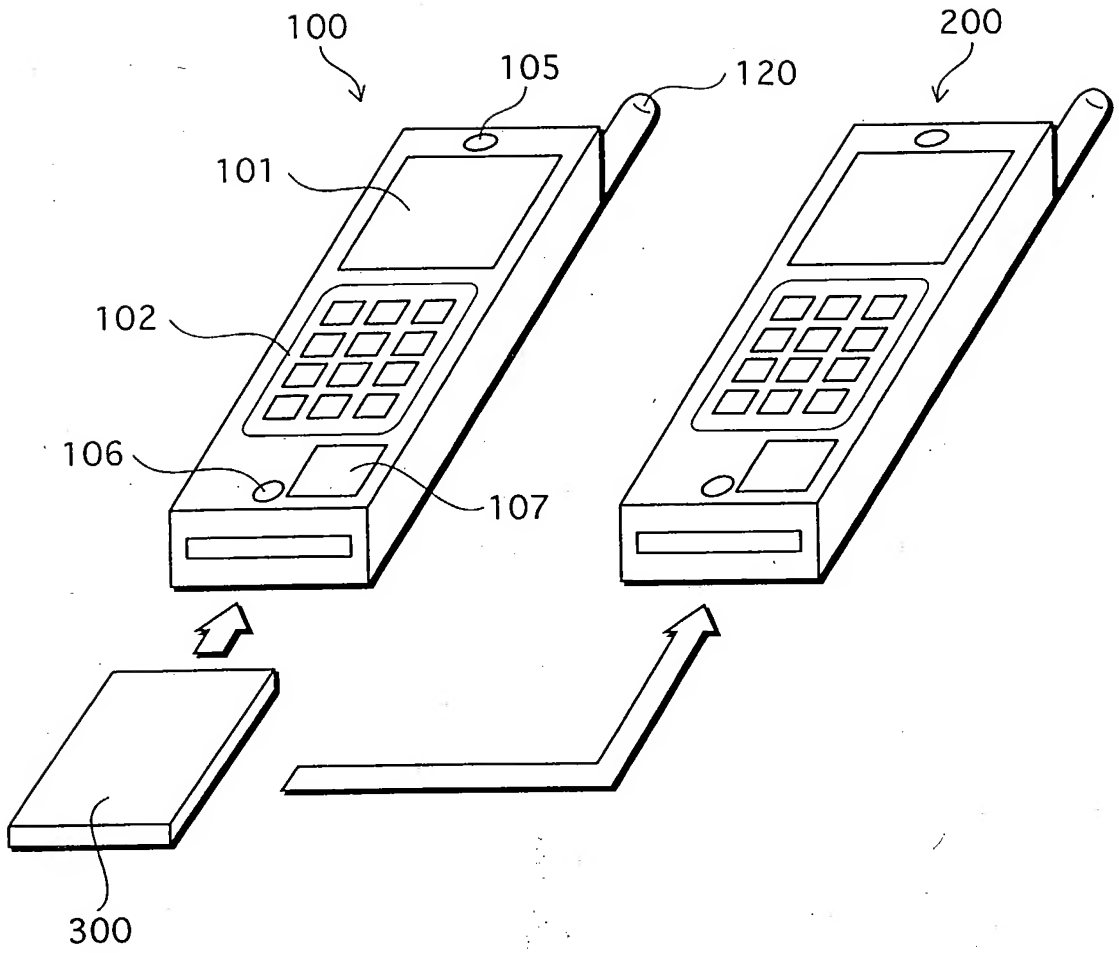

FIG.2

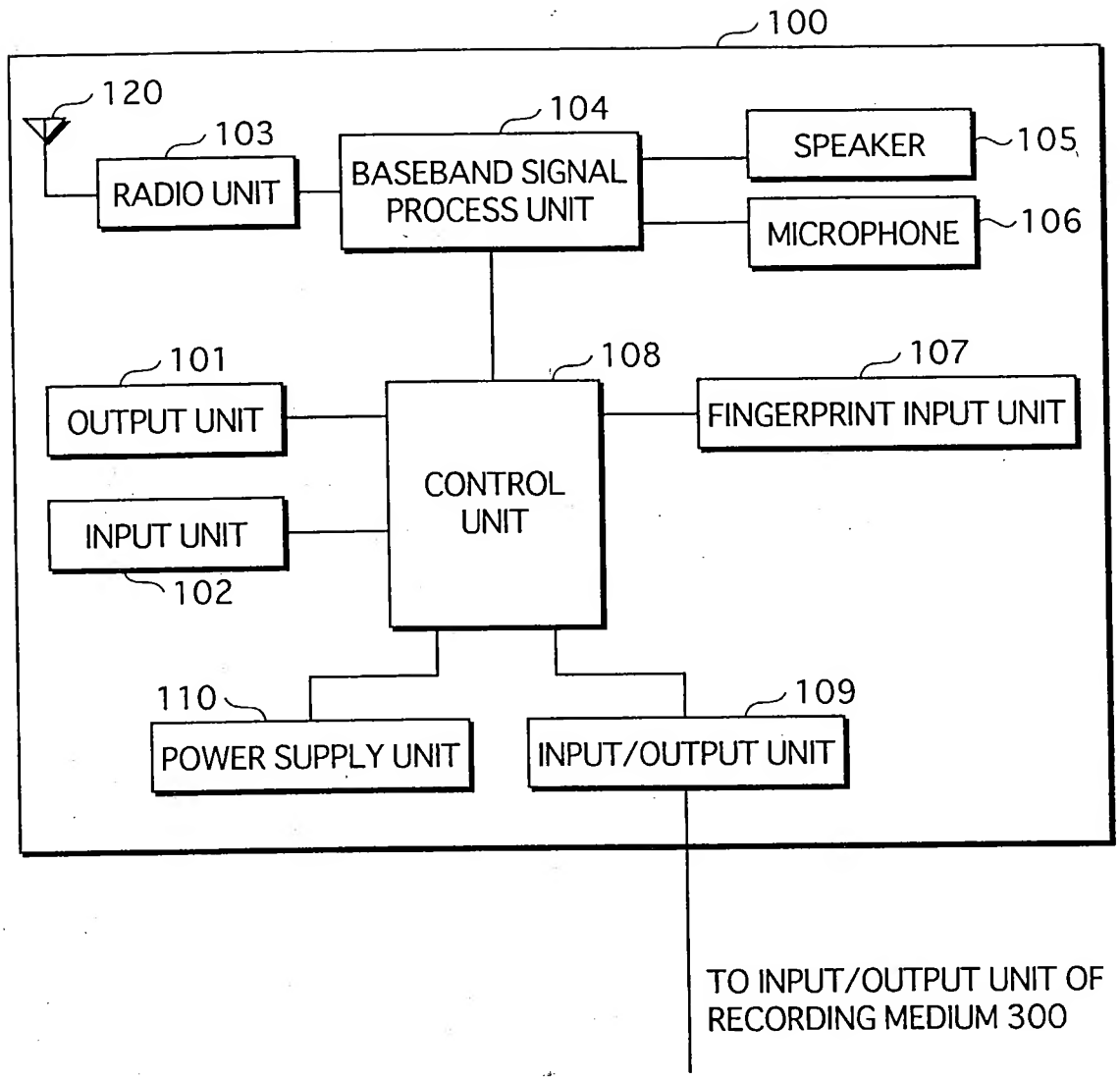
100
120
103
RADIO UNIT
104
BASEBAND SIGNAL PROCESS UNIT
SPEAKER
105
MICROPHONE
106
101
OUTPUT UNIT
108
CONTROL UNIT
107
FINGERPRINT INPUT UNIT
INPUT UNIT
102
110
POWER SUPPLY UNIT
109
INPUT/OUTPUT UNIT
TO INPUT/OUTPUT UNIT OF RECORDING MEDIUM 300

FIG.3

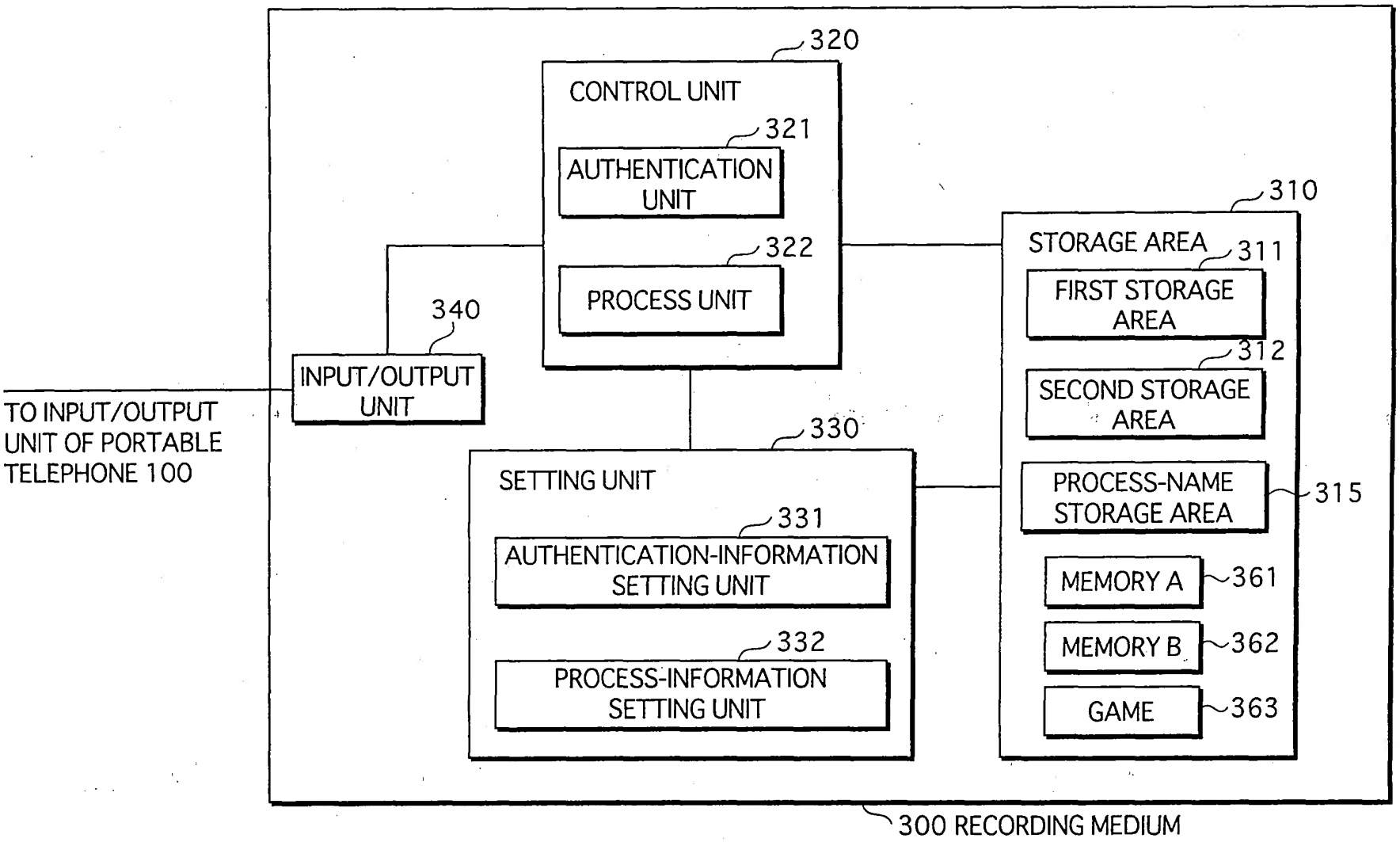
320
CONTROL UNIT
321
AUTHENTICATION UNIT
322
PROCESS UNIT
340
INPUT/OUTPUT UNIT
TO INPUT/OUTPUT UNIT OF PORTABLE TELEPHONE 100
310
STORAGE AREA
311
FIRST STORAGE AREA
312
SECOND STORAGE AREA
PROCESS-NAME STORAGE AREA
315
MEMORY A
361
MEMORY B
362
GAME
363
330
SETTING UNIT
331
AUTHENTICATION-INFORMATION SETTING UNIT
332
PROCESS-INFORMATION SETTING UNIT
300 RECORDING MEDIUM

FIG.4

T300

AUTHENTICATION NUMBER	AUTHENTICATION INFORMATION
1	N.A.
2	FINGERPRINT INFORMATION
3	PW2
4	PW3,FINGERPRINT INFORMATION
⋮	⋮

FIG.5

T301

PROCESS NUMBER	PROCESS INFORMATION
1	"MEMORY A"
2	"MEMORY A+B"
3	"MEMORY A","GAME"
4	"MEMORY A+B","GAME"
⋮	

FIG.6

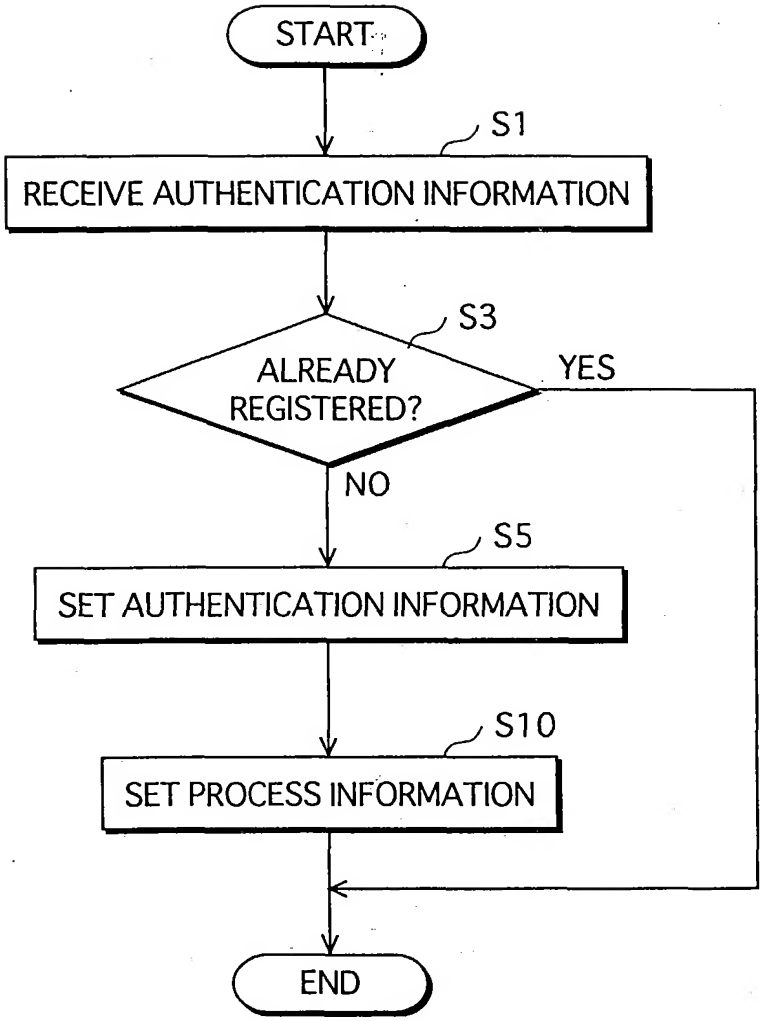
START
S1
RECEIVE AUTHENTICATION INFORMATION
S3
ALREADY REGISTERED?
YES
NO
S5
SET AUTHENTICATION INFORMATION
S10
SET PROCESS INFORMATION
END

FIG.7

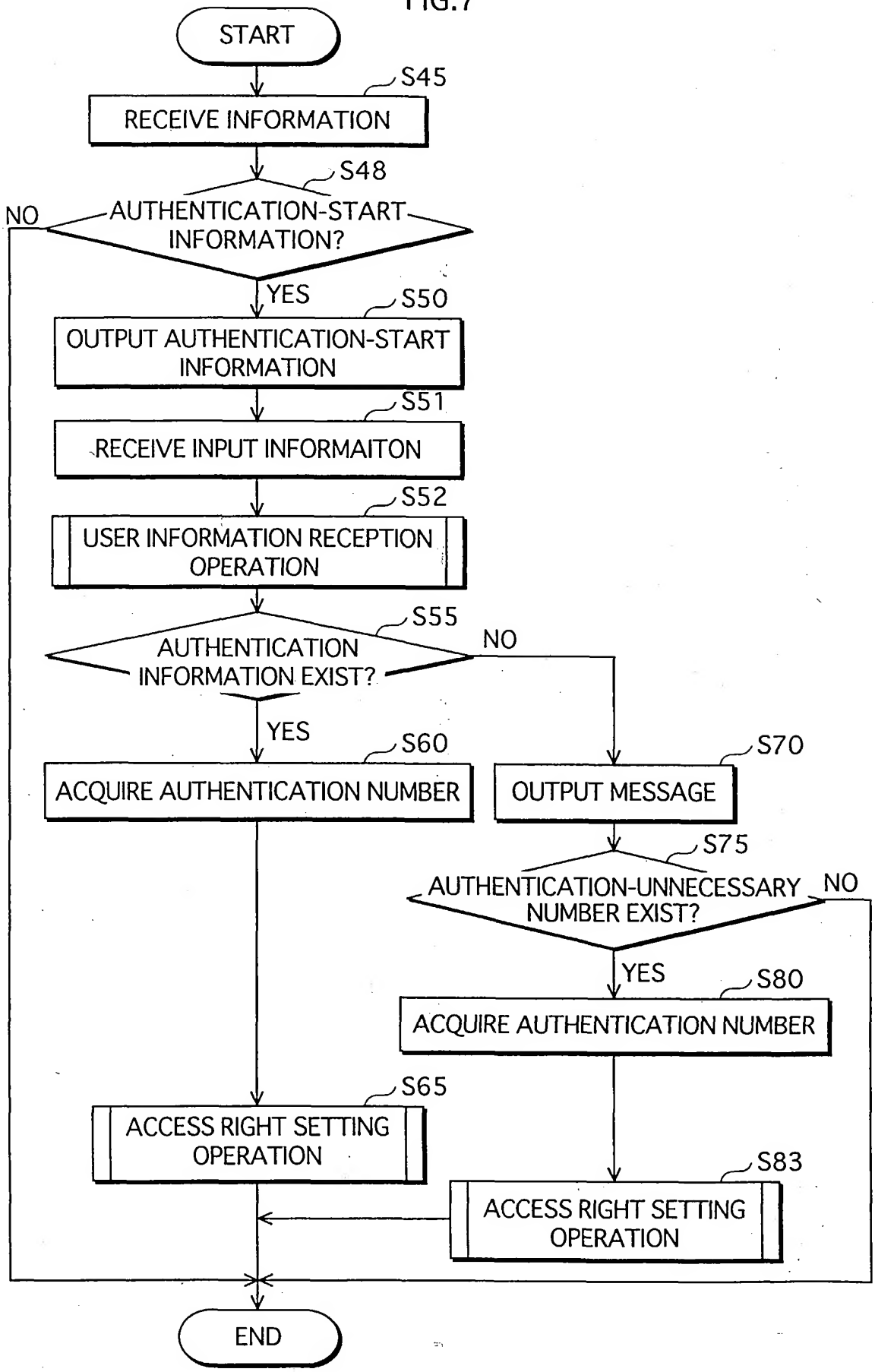
START
S45
RECEIVE INFORMATION
S48
AUTHENTICATION-START INFORMATION?
NO
YES
S50
OUTPUT AUTHENTICATION-START INFORMATION
S51
RECEIVE INPUT INFORMAITON
S52
USER INFORMATION RECEPTION OPERATION
S55
AUTHENTICATION INFORMATION EXIST?
NO
YES
S60
ACQUIRE AUTHENTICATION NUMBER
S70
OUTPUT MESSAGE
S75
AUTHENTICATION-UNNECESSARY NUMBER EXIST?
NO
YES
S80
ACQUIRE AUTHENTICATION NUMBER
S65
ACCESS RIGHT SETTING OPERATION
S83
ACCESS RIGHT SETTING OPERATION
END

FIG.8

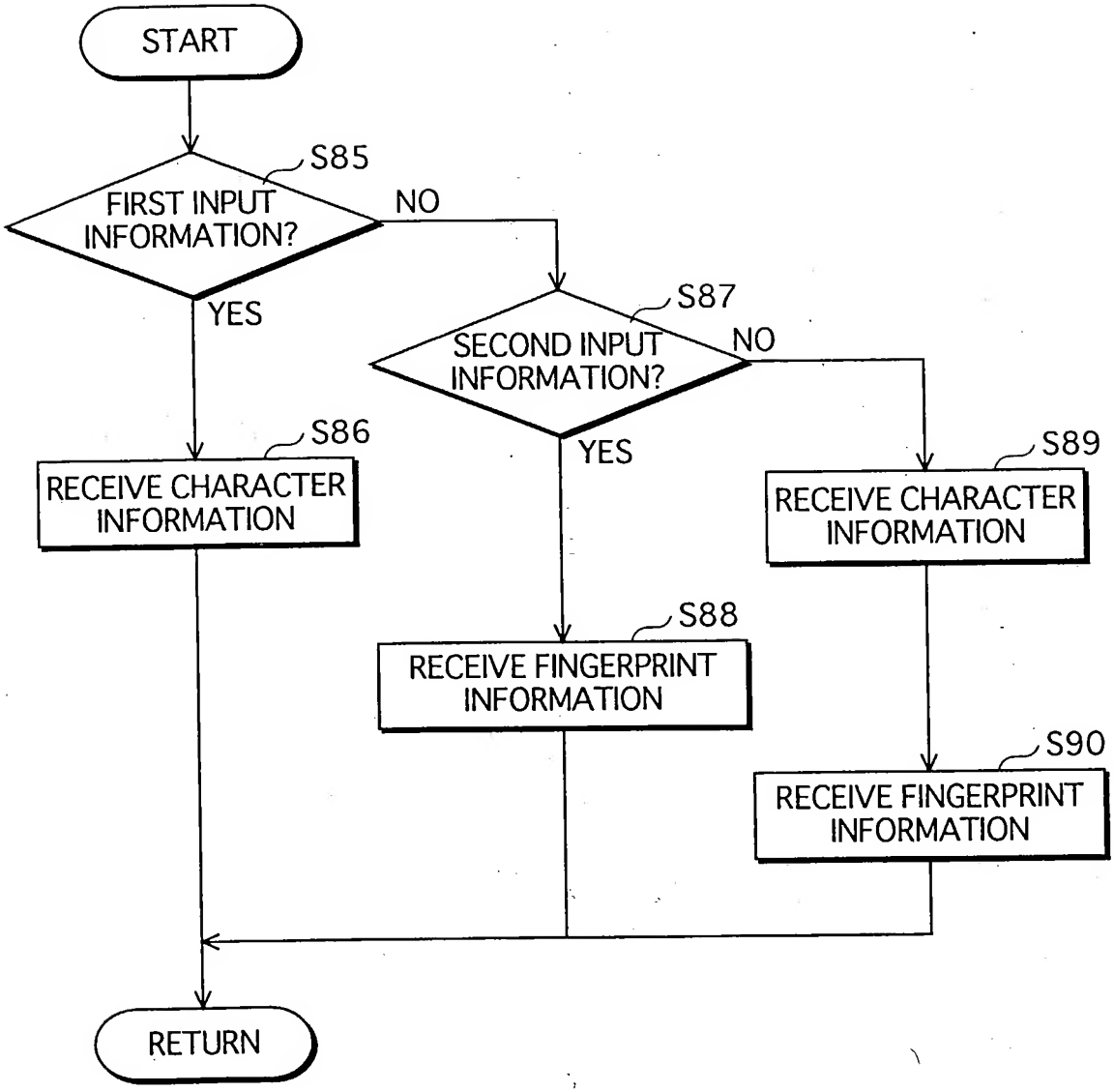
START
S85
FIRST INPUT INFORMATION?
NO
YES
S87
SECOND INPUT INFORMATION?
NO
YES
S86
RECEIVE CHARACTER INFORMATION
S89
RECEIVE CHARACTER INFORMATION
S88
RECEIVE FINGERPRINT INFORMATION
S90
RECEIVE FINGERPRINT INFORMATION
RETURN

FIG.9

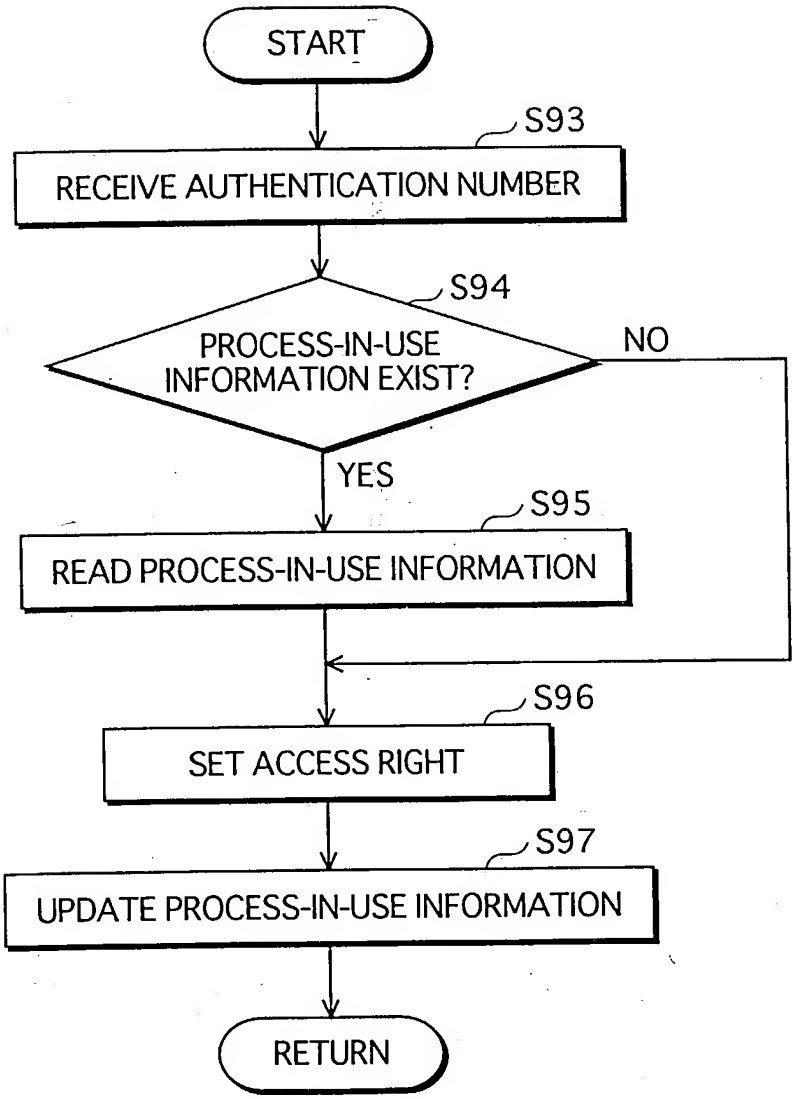
START
S93
RECEIVE AUTHENTICATION NUMBER
S94
PROCESS-IN-USE INFORMATION EXIST?
NO
YES
S95
READ PROCESS-IN-USE INFORMATION
S96
SET ACCESS RIGHT
S97
UPDATE PROCESS-IN-USE INFORMATION
RETURN

FIG.10

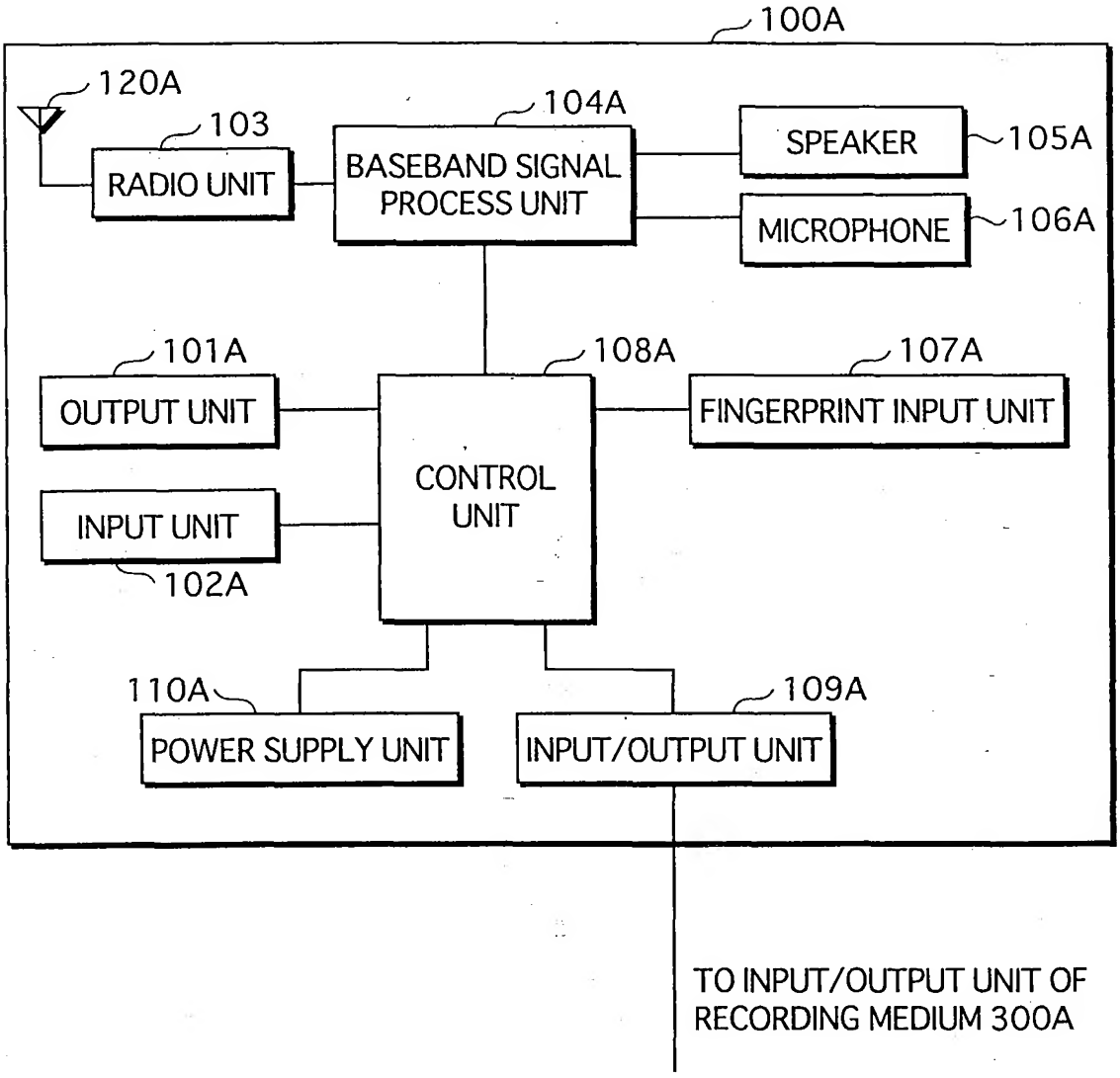
100A
120A
103
RADIO UNIT
104A
BASEBAND SIGNAL PROCESS UNIT
SPEAKER
105A
MICROPHONE
106A
101A
OUTPUT UNIT
INPUT UNIT
102A
108A
CONTROL UNIT
107A
FINGERPRINT INPUT UNIT
110A
POWER SUPPLY UNIT
109A
INPUT/OUTPUT UNIT
TO INPUT/OUTPUT UNIT OF RECORDING MEDIUM 300A

FIG.11

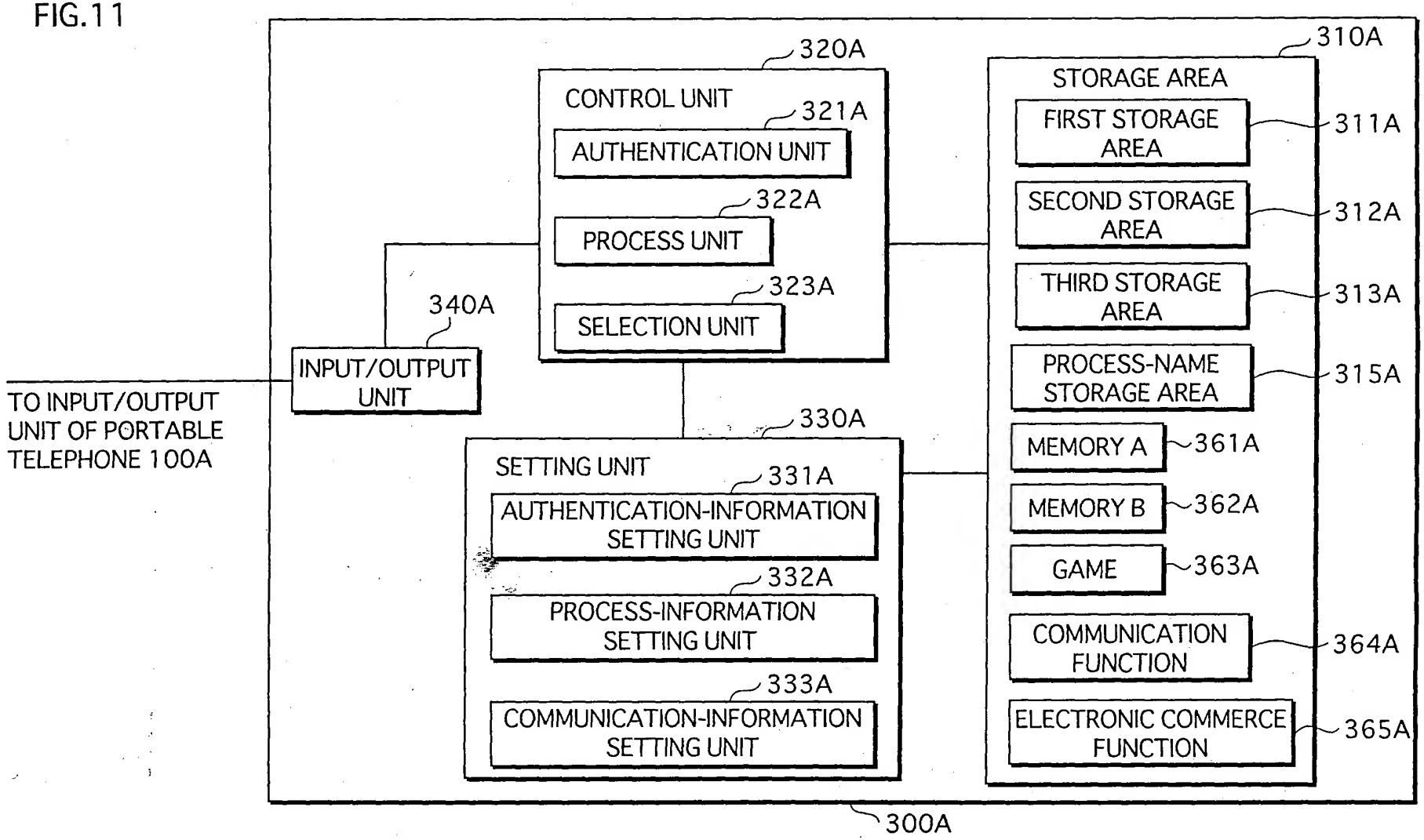
TO INPUT/OUTPUT UNIT OF PORTABLE TELEPHONE 100A
INPUT/OUTPUT UNIT
340A
CONTROL UNIT
320A
AUTHENTICATION UNIT
321A
PROCESS UNIT
322A
SELECTION UNIT
323A
SETTING UNIT
330A
AUTHENTICATION-INFORMATION SETTING UNIT
331A
PROCESS-INFORMATION SETTING UNIT
332A
COMMUNICATION-INFORMATION SETTING UNIT
333A
STORAGE AREA
310A
FIRST STORAGE AREA
311A
SECOND STORAGE AREA
312A
THIRD STORAGE AREA
313A
PROCESS-NAME STORAGE AREA
315A
MEMORY A
361A
MEMORY B
362A
GAME
363A
COMMUNICATION FUNCTION
364A
ELECTRONIC COMMERCE FUNCTION
365A
300A

FIG.12

T350

AUTHENTICATION NUMBER	AUTHENTICATION INFORMATION
1	N.A.
2	FINGERPRINT INFORMATION
3	PW2
4	PW3,FINGERPRINT INFORMATION
5	PW4
6	PW5
⋮	⋮

FIG.13

T351

COMMUNICATION NUMBER	COMMUNICATION INFORMATION
1	○○○−○○○−○○○○(CORPORATE)
2	△△△−△△△−△△△△(PRIVATE 1)
3	×××−×××−××××(PRIVATE 2)
⋮	⋮

FIG.14

T352

PROCESS NUMBER		PROCESS INFORMATION
FIRST NUMBER	SECOND NUMBER	
1	1	"MEMORY B"
1	2	"COMMUNICATION FUNCTION"
1	3	"COMMUNICATION FUNCTION","ELECTRONIC COMMERCE"
2	2	"COMMUNICATION FUNCTION"
2	4	"MEMORY A+B"
2	5	"MEMORY A+B","COMMUNICATION FUNCTION"
3	3	"GAME"
3	6	"COMMUNICATION FUNCTION"
⋮	⋮	⋮

FIG.15

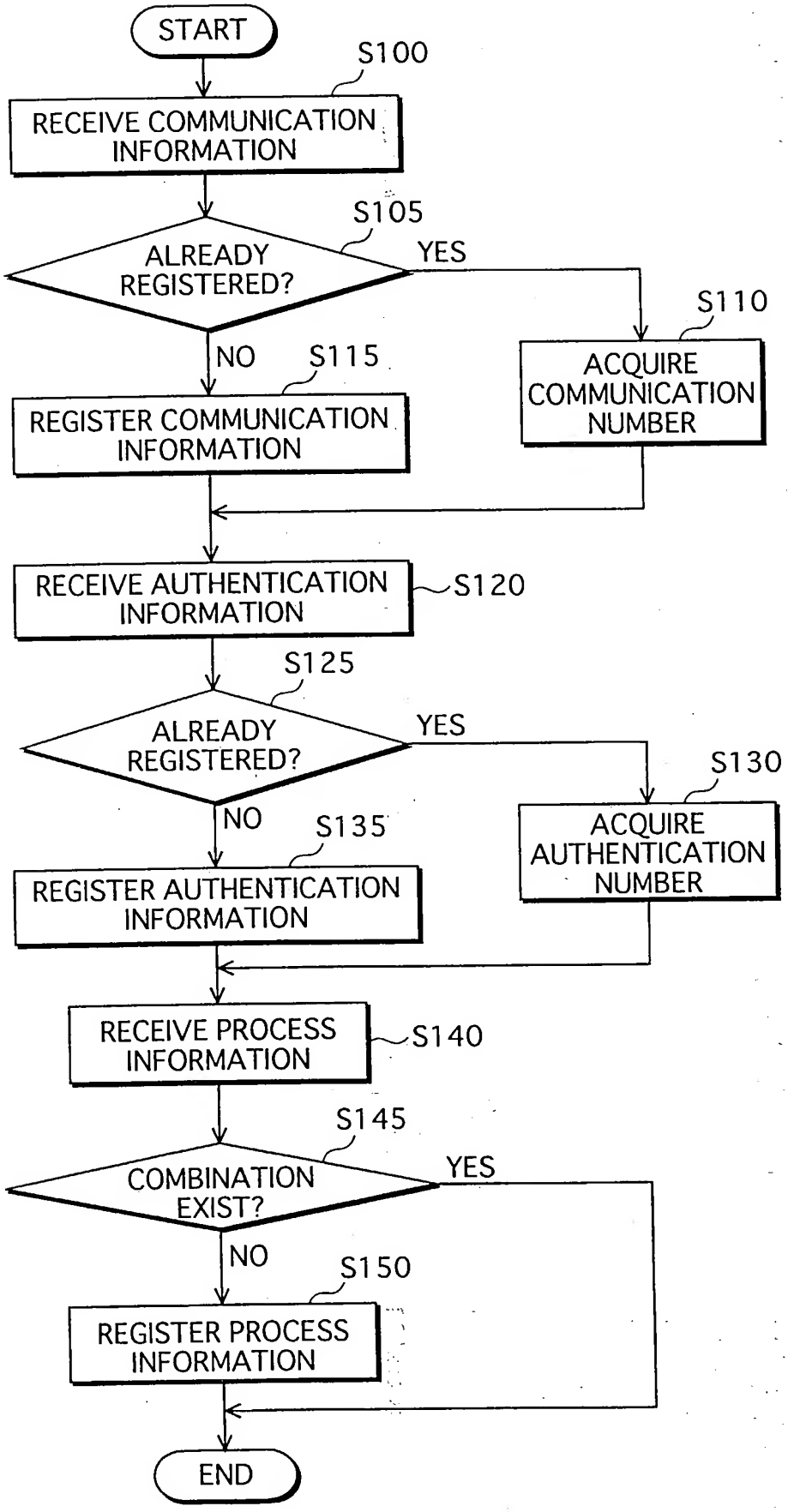
START
S100
RECEIVE COMMUNICATION INFORMATION
S105
ALREADY REGISTERED?
YES
S110
ACQUIRE COMMUNICATION NUMBER
NO
S115
REGISTER COMMUNICATION INFORMATION
RECEIVE AUTHENTICATION INFORMATION
S120
S125
ALREADY REGISTERED?
YES
S130
ACQUIRE AUTHENTICATION NUMBER
NO
S135
REGISTER AUTHENTICATION INFORMATION
RECEIVE PROCESS INFORMATION
S140
S145
COMBINATION EXIST?
YES
NO
S150
REGISTER PROCESS INFORMATION
END

FIG.16

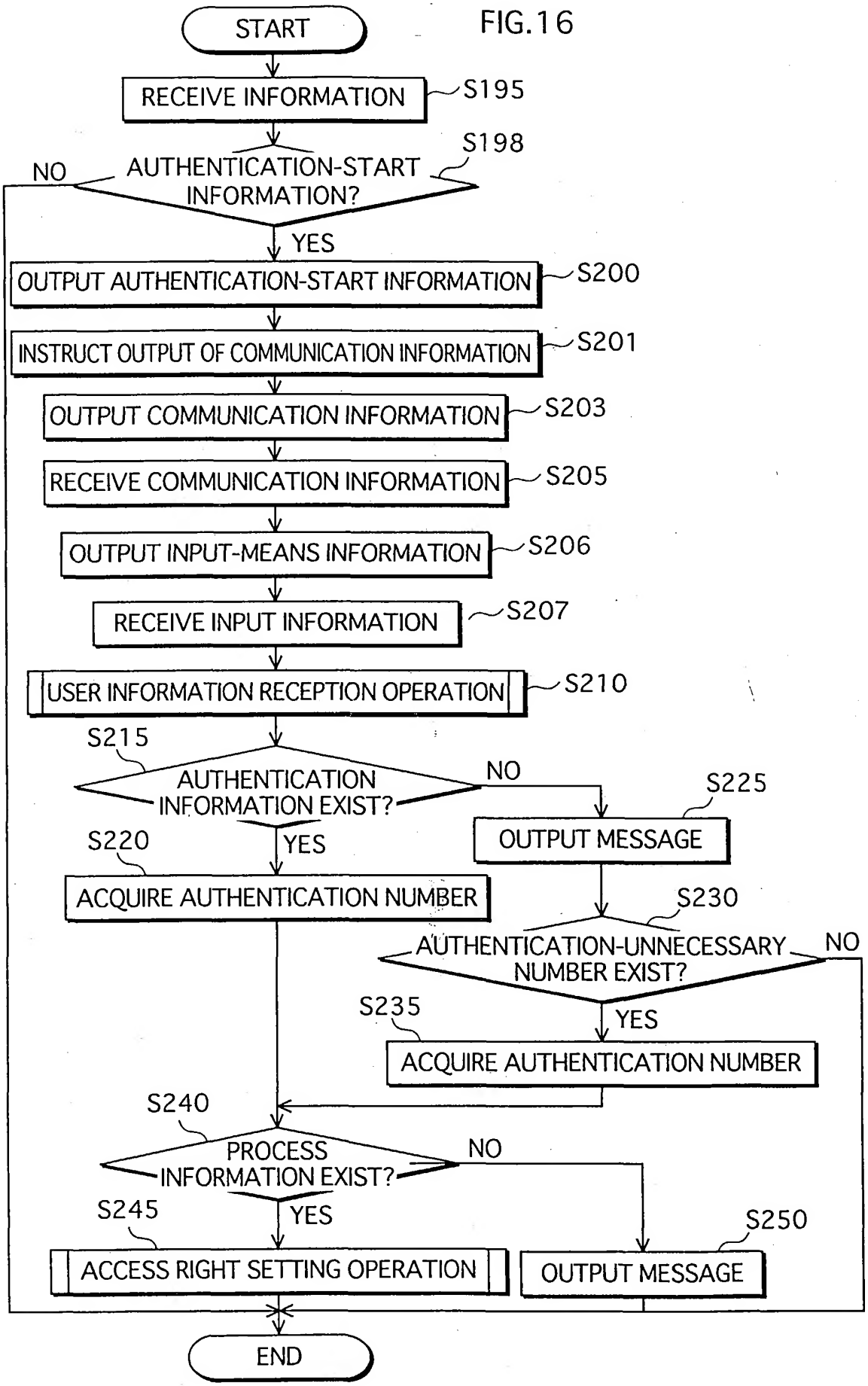
START
RECEIVE INFORMATION
S195
S198
AUTHENTICATION-START INFORMATION?
NO
YES
OUTPUT AUTHENTICATION-START INFORMATION
S200
INSTRUCT OUTPUT OF COMMUNICATION INFORMATION
S201
OUTPUT COMMUNICATION INFORMATION
S203
RECEIVE COMMUNICATION INFORMATION
S205
OUTPUT INPUT-MEANS INFORMATION
S206
RECEIVE INPUT INFORMATION
S207
USER INFORMATION RECEPTION OPERATION
S210
S215
AUTHENTICATION INFORMATION EXIST?
NO
YES
S225
OUTPUT MESSAGE
S220
ACQUIRE AUTHENTICATION NUMBER
S230
AUTHENTICATION-UNNECESSARY NUMBER EXIST?
NO
YES
S235
ACQUIRE AUTHENTICATION NUMBER
S240
PROCESS INFORMATION EXIST?
NO
YES
S245
ACCESS RIGHT SETTING OPERATION
S250
OUTPUT MESSAGE
END

FIG.17

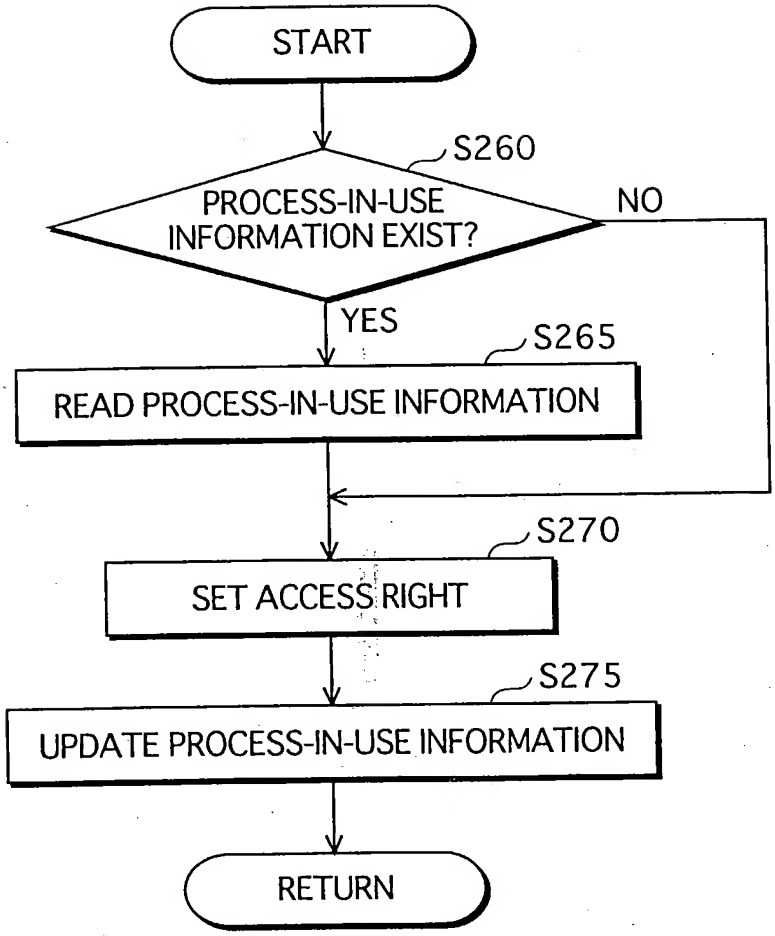
START
S260
PROCESS-IN-USE INFORMATION EXIST?
NO
YES
S265
READ PROCESS-IN-USE INFORMATION
S270
SET ACCESS RIGHT
S275
UPDATE PROCESS-IN-USE INFORMATION
RETURN

FIG.18

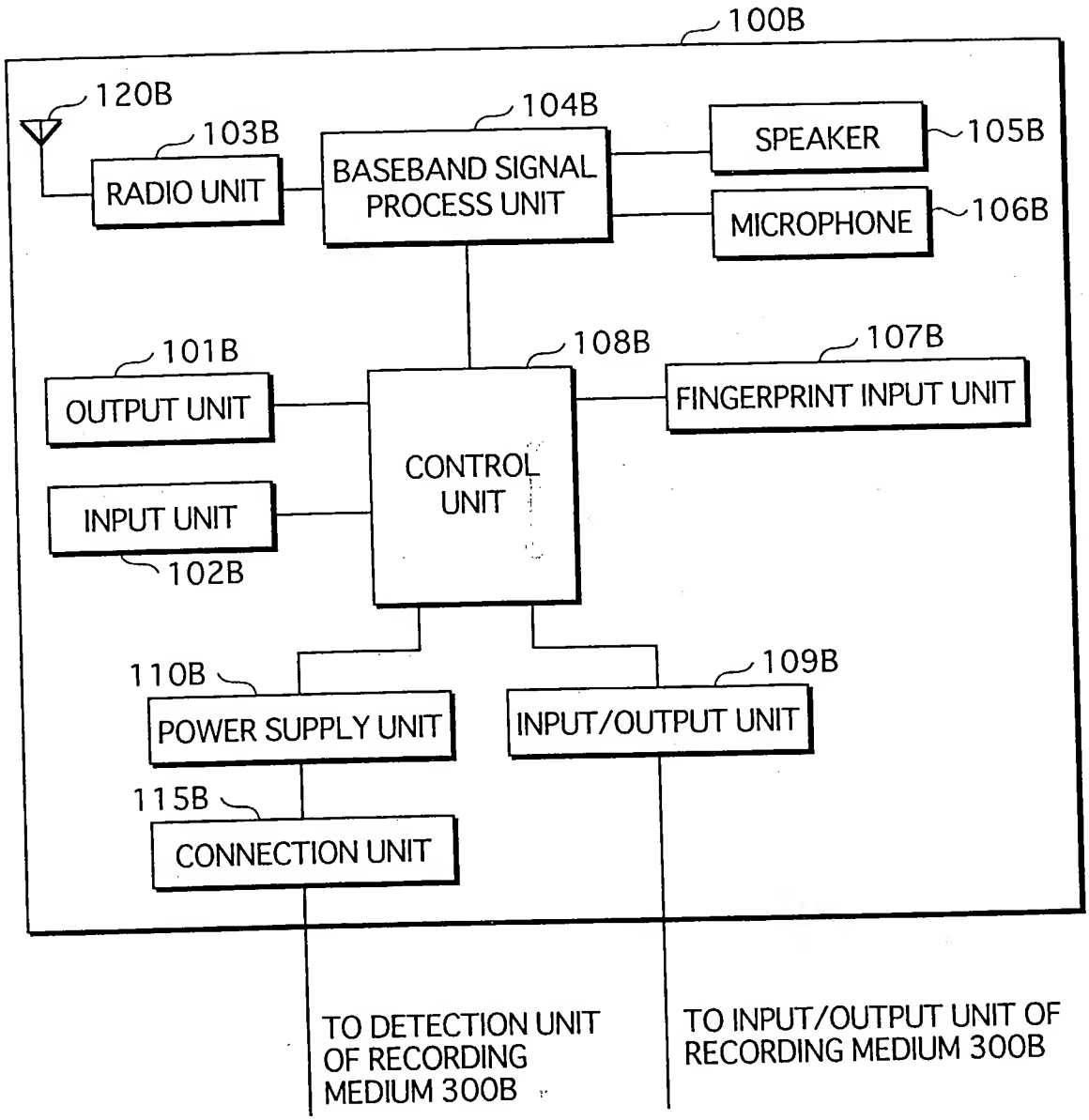
100B
120B
103B
RADIO UNIT
104B
BASEBAND SIGNAL PROCESS UNIT
SPEAKER
105B
MICROPHONE
106B
101B
OUTPUT UNIT
108B
CONTROL UNIT
107B
FINGERPRINT INPUT UNIT
INPUT UNIT
102B
110B
POWER SUPPLY UNIT
109B
INPUT/OUTPUT UNIT
115B
CONNECTION UNIT
TO DETECTION UNIT OF RECORDING MEDIUM 300B
TO INPUT/OUTPUT UNIT OF RECORDING MEDIUM 300B

FIG.19

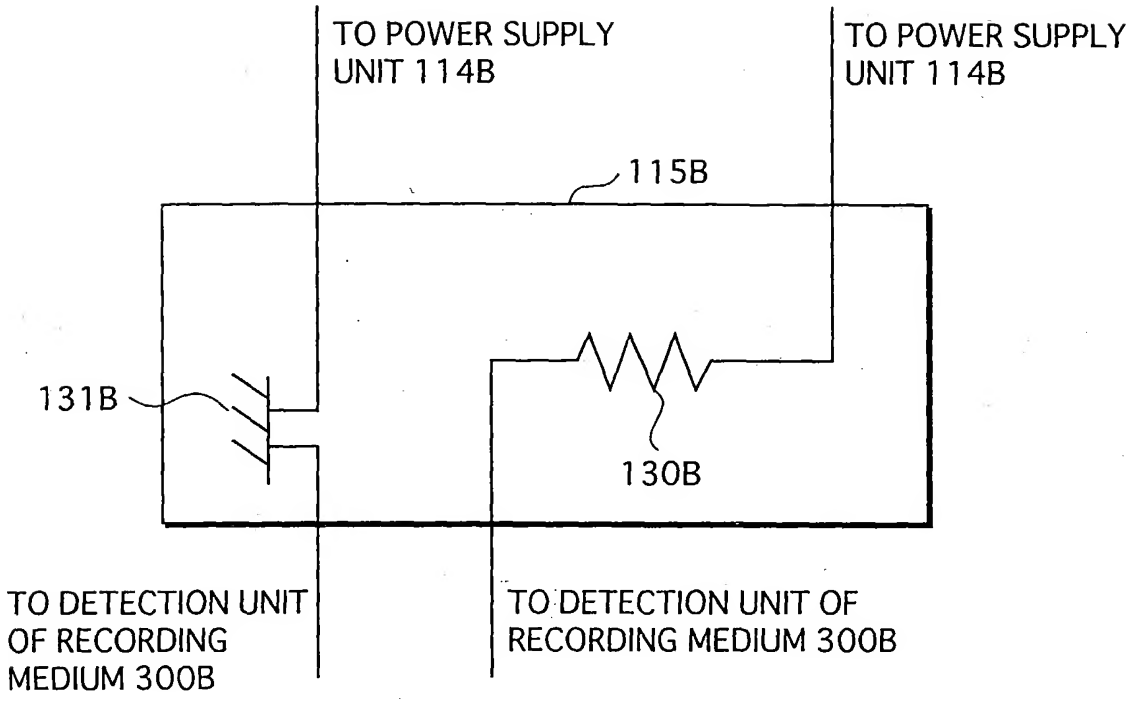
TO POWER SUPPLY UNIT 114B
TO POWER SUPPLY UNIT 114B
115B
131B
130B
TO DETECTION UNIT OF RECORDING MEDIUM 300B
TO DETECTION UNIT OF RECORDING MEDIUM 300B

FIG.20

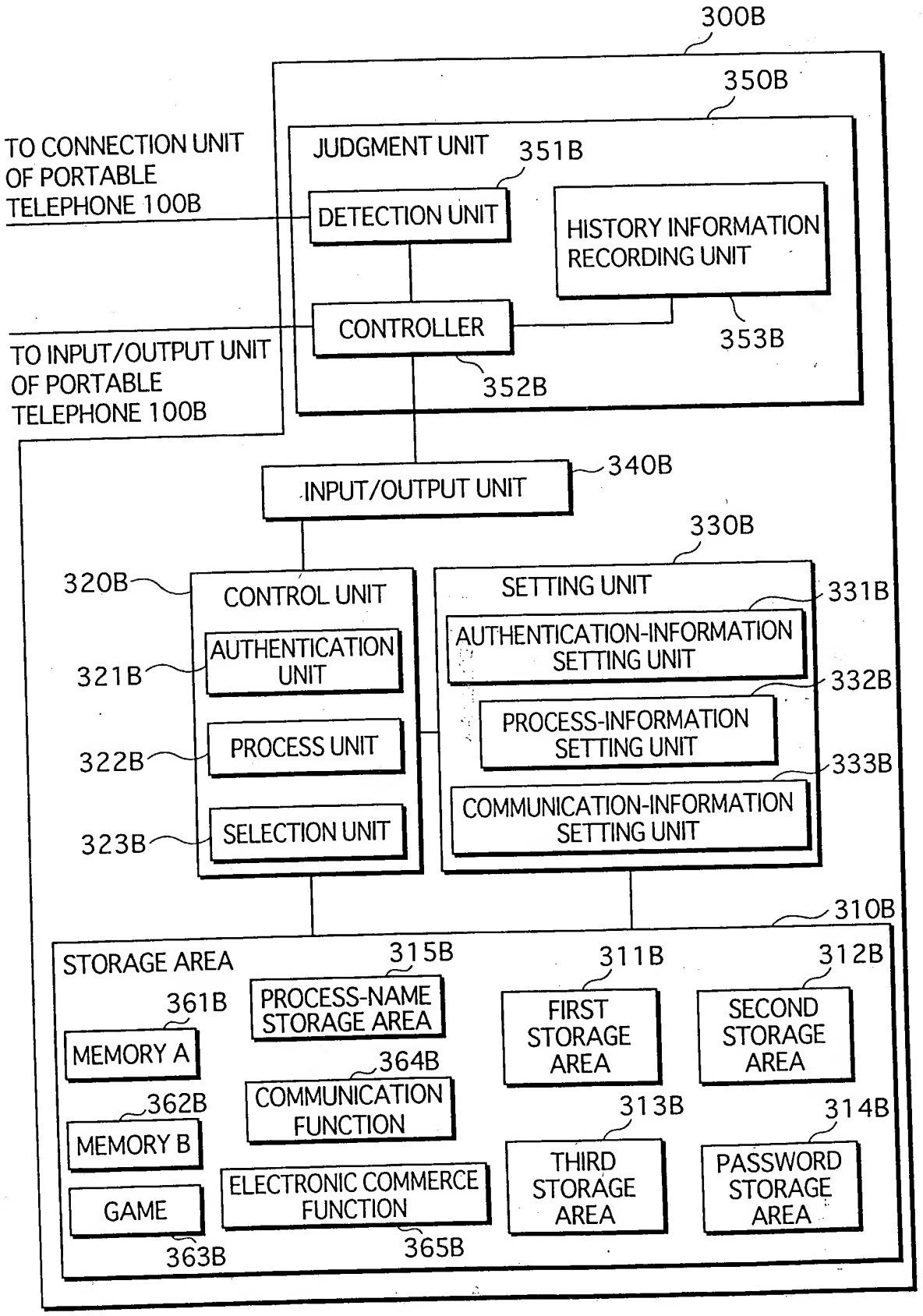
300B
350B
TO CONNECTION UNIT OF PORTABLE TELEPHONE 100B
JUDGMENT UNIT
351B
DETECTION UNIT
HISTORY INFORMATION RECORDING UNIT
CONTROLLER
353B
TO INPUT/OUTPUT UNIT OF PORTABLE TELEPHONE 100B
352B
INPUT/OUTPUT UNIT
340B
330B
320B
CONTROL UNIT
SETTING UNIT
331B
AUTHENTICATION-INFORMATION SETTING UNIT
AUTHENTICATION UNIT
321B
332B
PROCESS-INFORMATION SETTING UNIT
PROCESS UNIT
322B
333B
COMMUNICATION-INFORMATION SETTING UNIT
SELECTION UNIT
323B
310B
STORAGE AREA
315B
311B
312B
PROCESS-NAME STORAGE AREA
FIRST STORAGE AREA
SECOND STORAGE AREA
361B
MEMORY A
364B
COMMUNICATION FUNCTION
362B
313B
314B
MEMORY B
THIRD STORAGE AREA
PASSWORD STORAGE AREA
ELECTRONIC COMMERCE FUNCTION
GAME
363B
365B

FIG.21

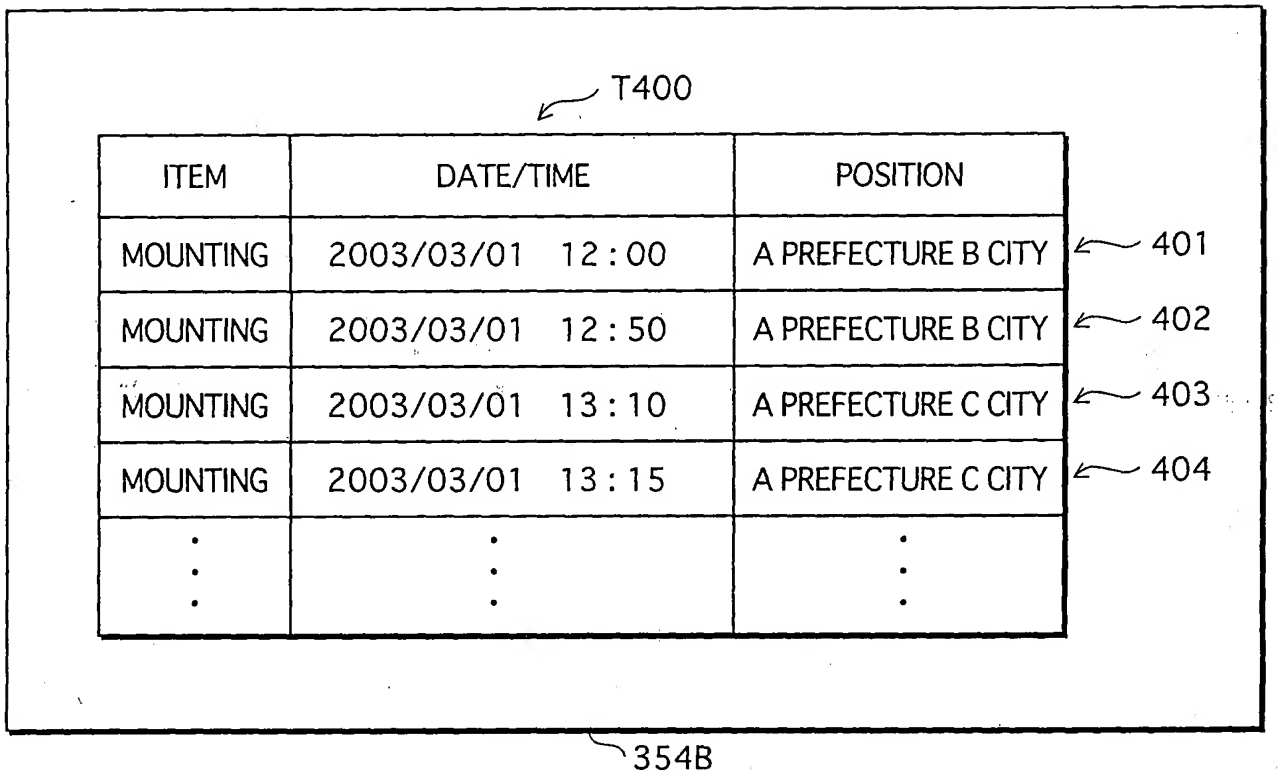
T400
ITEM
DATE/TIME
POSITION
MOUNTING
2003/03/01 12 : 00
A PREFECTURE B CITY
401
MOUNTING
2003/03/01 12 : 50
A PREFECTURE B CITY
402
MOUNTING
2003/03/01 13 : 10
A PREFECTURE C CITY
403
MOUNTING
2003/03/01 13 : 15
A PREFECTURE C CITY
404
354B

FIG.22

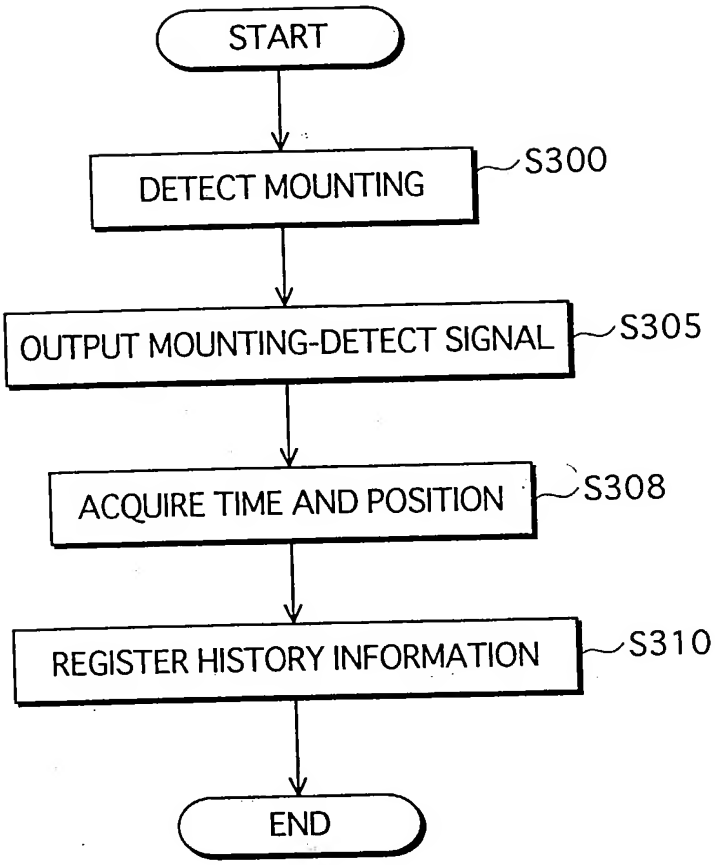
START
DETECT MOUNTING
S300
OUTPUT MOUNTING-DETECT SIGNAL
S305
ACQUIRE TIME AND POSITION
S308
REGISTER HISTORY INFORMATION
S310
END

FIG.23

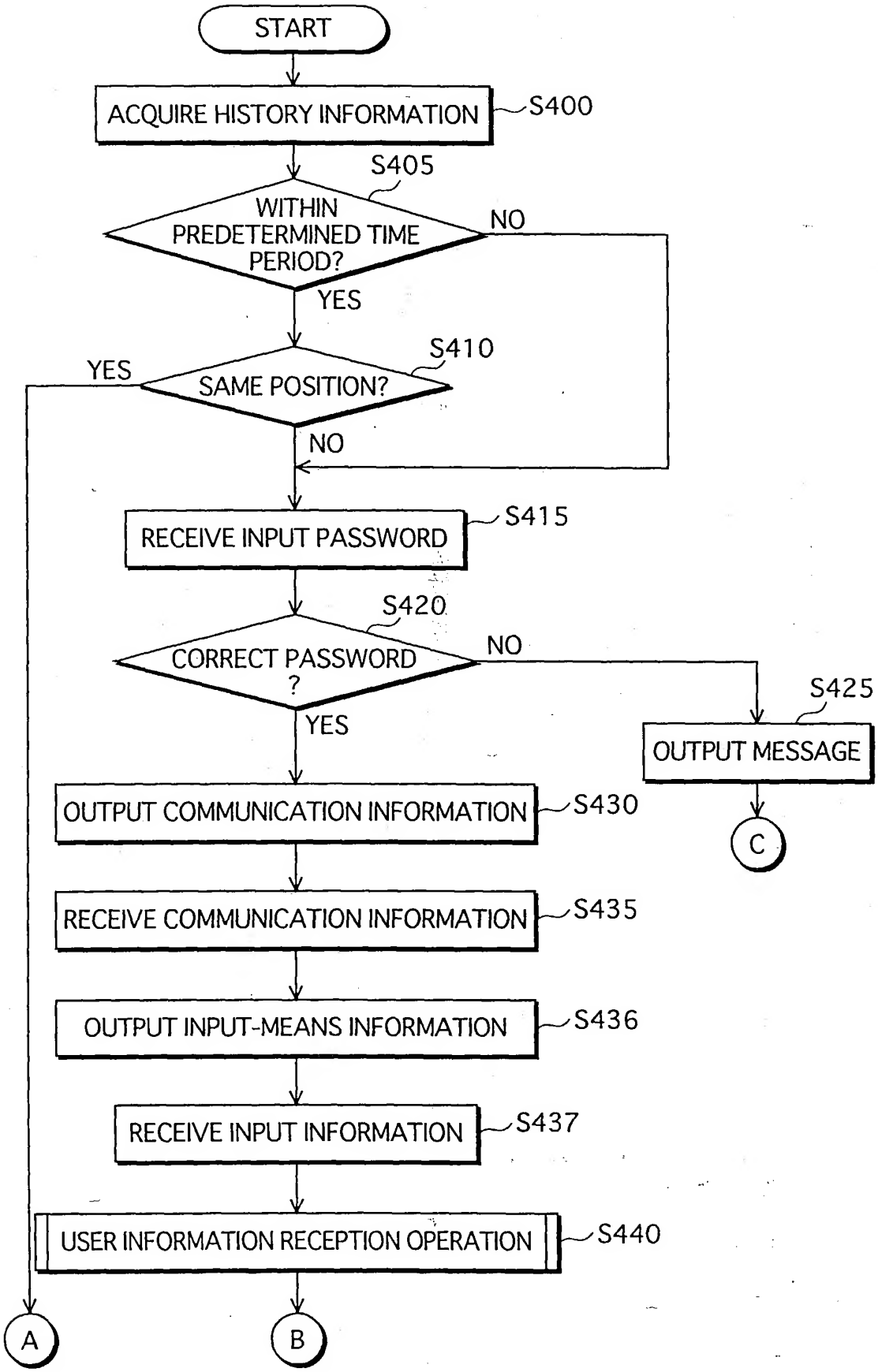
START
ACQUIRE HISTORY INFORMATION
S400
S405
WITHIN PREDETERMINED TIME PERIOD?
NO
YES
S410
SAME POSITION?
YES
NO
RECEIVE INPUT PASSWORD
S415
S420
CORRECT PASSWORD ?
NO
YES
S425
OUTPUT MESSAGE
C
OUTPUT COMMUNICATION INFORMATION
S430
RECEIVE COMMUNICATION INFORMATION
S435
OUTPUT INPUT-MEANS INFORMATION
S436
RECEIVE INPUT INFORMATION
S437
USER INFORMATION RECEPTION OPERATION
S440
A
B

FIG.24

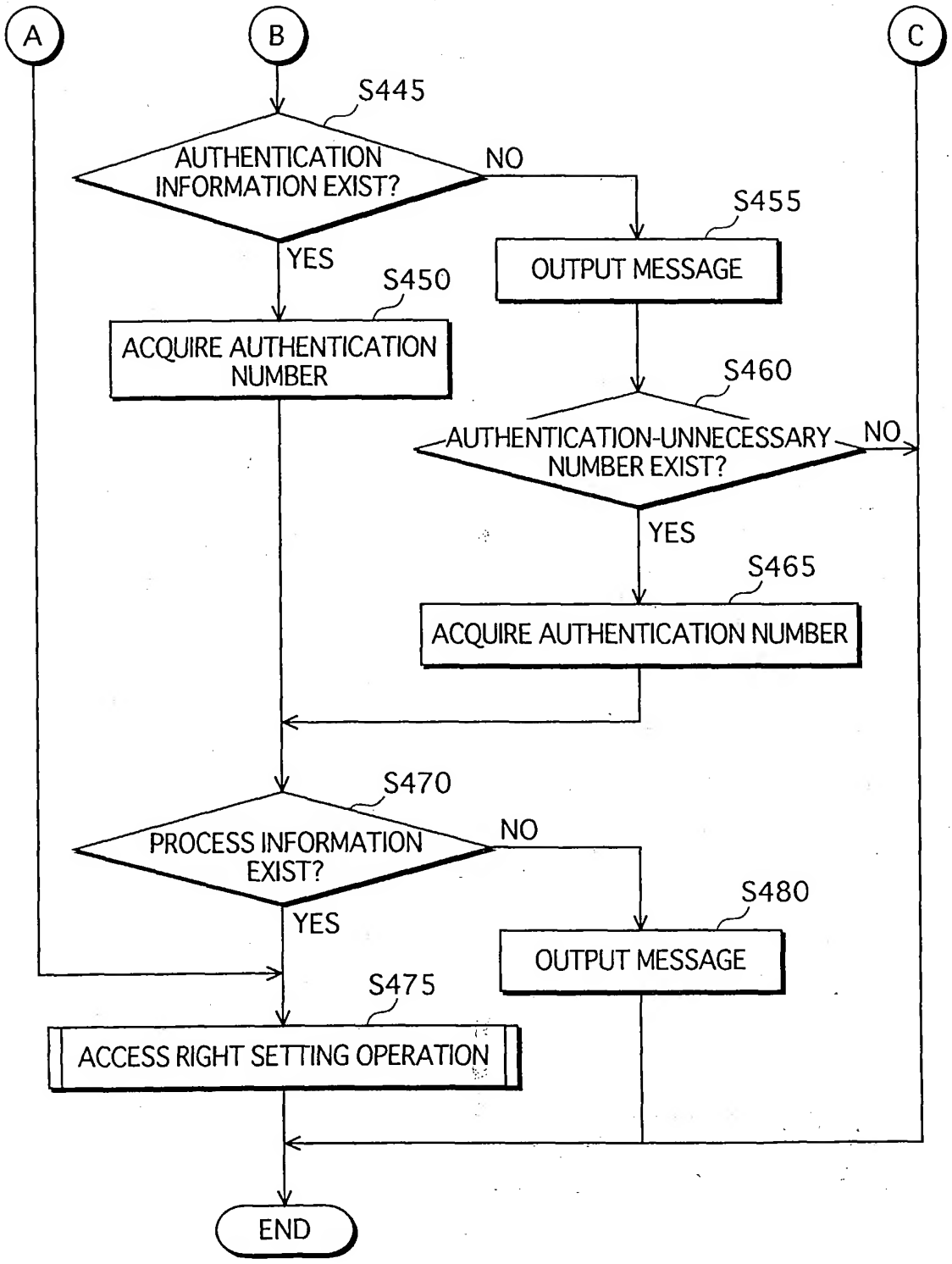
A
B
C
S445
AUTHENTICATION INFORMATION EXIST?
NO
YES
S455
OUTPUT MESSAGE
S450
ACQUIRE AUTHENTICATION NUMBER
S460
AUTHENTICATION-UNNECESSARY NUMBER EXIST?
NO
YES
S465
ACQUIRE AUTHENTICATION NUMBER
S470
PROCESS INFORMATION EXIST?
NO
YES
S480
OUTPUT MESSAGE
S475
ACCESS RIGHT SETTING OPERATION
END

FIG.25

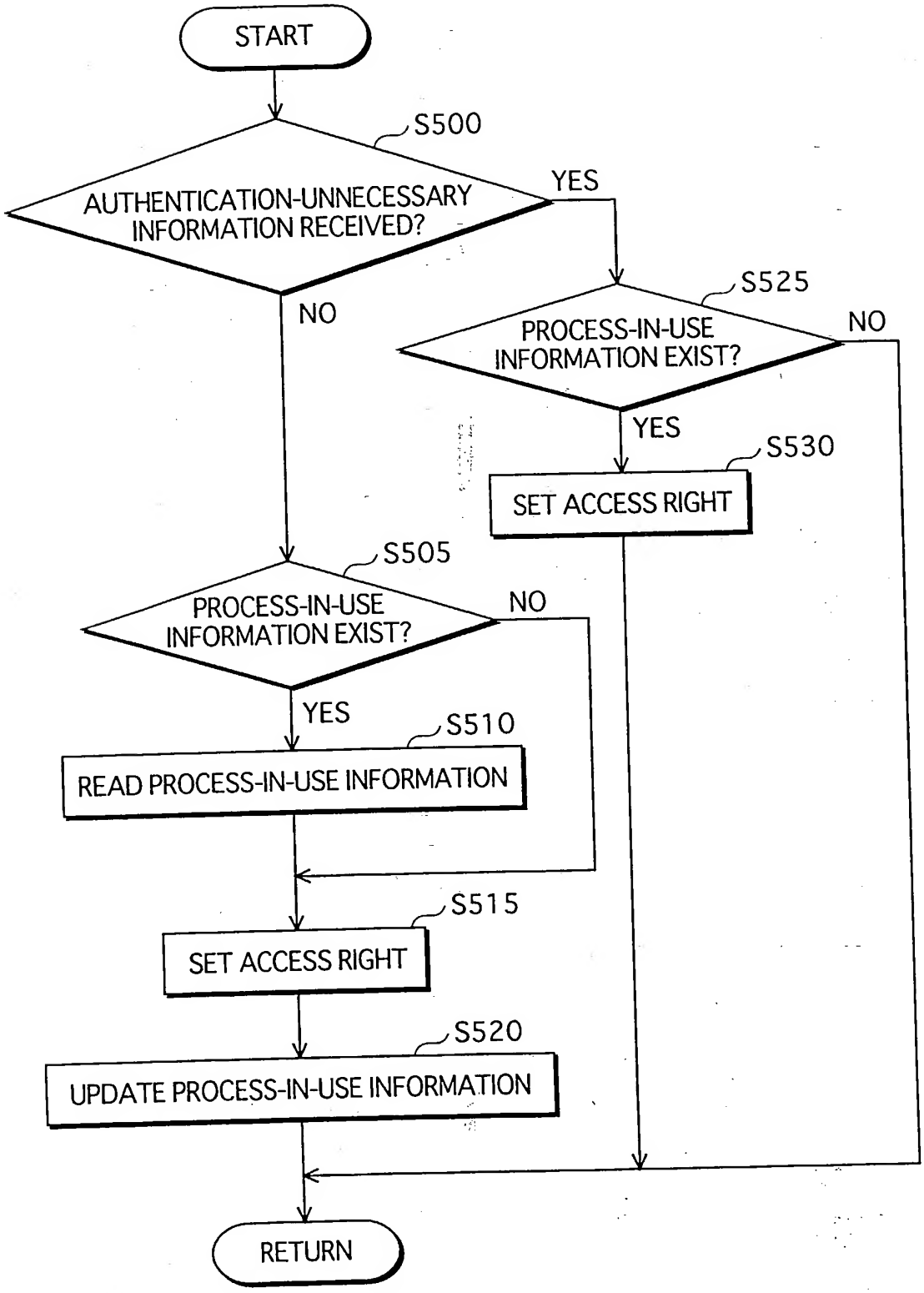
START
S500
AUTHENTICATION-UNNECESSARY INFORMATION RECEIVED?
YES
NO
S525
PROCESS-IN-USE INFORMATION EXIST?
NO
YES
S530
SET ACCESS RIGHT
S505
PROCESS-IN-USE INFORMATION EXIST?
NO
YES
S510
READ PROCESS-IN-USE INFORMATION
S515
SET ACCESS RIGHT
S520
UPDATE PROCESS-IN-USE INFORMATION
RETURN

FIG.26

AUTHENTICATION INFORMATION	PROCESS INFORMATION
N.A.	"MEMORY A"
PW1	"MEMORY A+B"
PW2	"MEMORY A","GAME"
PW3	"MEMORY A+B","GAME"

FIG.27

COMMUNICATION INFORMATION	AUTHENTICATION INFORMATION	PROCESS INFORMATION
○○○	N.A.	"MEMORY A"
−○○○○	PW1	"MEMORY A+B"
−○○○○	PW2	"MEMORY A+B","COMMUNICATION FUNCTION"
	PW3	"MEMORY A+B","COMMUNICATION FUNCTION","ELECTRONIC COMMERCE"

FIG.28

COMMUNICATION INFORMATION	AUTHENTICATION INFORMATION	PROCESS INFORMATION
○○○−○○○−○○○○ (CORPORATE)	PW1	"COMMUNICATION FUNCTION"
	PW2	"COMMUNICATION FUNCTION","ELECTRONIC COMMERCE"
	N.A.	"MEMORY B"
△△△−△△△−△△△△ (PRIVATE 1)	PW3	"MEMORY A + MEMORY B"
	PW4	"MEMORY A,B","COMMUNICATION FUNCTION"
×××−×××−×××× (PRIVATE 2)	PW5	"COMMUNICATION FUNCTION"
	N.A.	"MEMORY A"